

James D Allan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

260
papers

18,648
citations

63
h-index

133
g-index

349
ext. papers

21,230
ext. citations

7.3
avg, IF

5.76
L-index

#	Paper	IF	Citations
260	Examining chemical composition of gas turbine-emitted organic aerosol using positive matrix factorisation (PMF). <i>Journal of Aerosol Science</i> , 2022 , 159, 105869	4.3	0
259	Aerodynamic size-resolved composition and cloud condensation nuclei properties of aerosols in a Beijing suburban region. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4375-4391	6.8	0
258	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
257	European Aerosol Phenomenology - 8: Harmonised Source Apportionment of Organic Aerosol using 22 Year-long ACSM/AMS Datasets. <i>Environment International</i> , 2022 , 107325	12.9	1
256	Physical and chemical properties of black carbon and organic matter from different combustion and photochemical sources using aerodynamic aerosol classification. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16161-16182	6.8	2
255	Planetary Boundary Layer Height Modulates Aerosol-Water Vapor Interactions During Winter in the Megacity of Delhi. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035681	4.4	0
254	Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033488	4.4	
253	Rapid transformation of ambient absorbing aerosols from West African biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9417-9440	6.8	7
252	Technical note: A new approach to discriminate different black carbon sources by utilising fullerene and metals in positive matrix factorisation analysis of high-resolution soot particle aerosol mass spectrometer data. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10763-10777	6.8	2
251	Vertical profile of particle hygroscopicity and CCN effectiveness during winter in Beijing: insight into the hygroscopicity transition threshold of black carbon. <i>Faraday Discussions</i> , 2021 , 226, 239-254	3.6	4
250	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 147-162	6.8	3
249	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , 2021 , 226, 382-408	3.6	3
248	Seasonal analysis of submicron aerosol in Old Delhi using high-resolution aerosol mass spectrometry: chemical characterisation, source apportionment and new marker identification. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10133-10158	6.8	2
247	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11201-11224	6.8	12
246	PM _{2.5} composition and source apportionment at two sites in Delhi, India, across multiple seasons. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11655-11667	6.8	2
245	Non-exhaust vehicle emissions of particulate matter and VOC from road traffic: A review. <i>Atmospheric Environment</i> , 2021 , 262, 118592	5.3	27
244	Enhanced aerosol particle growth sustained by high continental chlorine emission in India. <i>Nature Geoscience</i> , 2021 , 14, 77-84	18.3	37

243	Characterising mass-resolved mixing state of black carbon in Beijing using a morphology-independent measurement method. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3645-3661	6.8	14
242	Transformation and ageing of biomass burning carbonaceous aerosol over tropical South America from aircraft in situ measurements during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5309-5326	6.8	16
241	Seasonal contrast in size distributions and mixing state of black carbon and its association with PM _{2.5} ; chemical composition from the eastern coast of India. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3965-3985	6.8	15
240	Vertical variability of the properties of highly aged biomass burning aerosol transported over the southeast Atlantic during CLARIFY-2017. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12697-12719	6.8	16
239	Robust observational constraint of uncertain aerosol processes and emissions in a climate model and the effect on aerosol radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9491-9524	6.8	9
238	Characterizing the Particle Composition and Cloud Condensation Nuclei from Shipping Emission in Western Europe. <i>Environmental Science & Technology</i> , 2020 , 54, 15604-15612	10.3	7
237	Pollutant Emissions from Improved Cookstoves of the Type Used in Sub-Saharan Africa. <i>Combustion Science and Technology</i> , 2020 , 192, 1582-1602	1.5	12
236	Black carbon physical and optical properties across northern India during pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13079-13096	6.8	11
235	Transformation and aging of biomass burning carbonaceous aerosol over tropical South America from aircraft in-situ measurements during SAMBBA 2019 ,		5
234	Seasonal contrast in size distributions and mixing state of black carbon and its association with PM _{1.0} chemical composition from the eastern coast of India 2019 ,		1
233	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 447-458	6.8	51
232	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 165-179	6.8	52
231	Vertical and horizontal distribution of submicron aerosol chemical composition and physical characteristics across northern India during pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5615-5634	6.8	30
230	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5771-5790	6.8	16
229	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6749-6769	6.8	53
228	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7519-7546	6.8	73
227	Mineralogy and mixing state of north African mineral dust by online single-particle mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2259-2281	6.8	9
226	Evaluating biases in filter-based aerosol absorption measurements using photoacoustic spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3417-3434	4	22

225	In situ constraints on the vertical distribution of global aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11765-11790	6.8	15
224	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 6449-6463	4	29
223	Observations of Isocyanate, Amide, Nitrate, and Nitro Compounds From an Anthropogenic Biomass Burning Event Using a ToF-CIMS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7687	4.4	21
222	Highly controlled, reproducible measurements of aerosol emissions from combustion of a common African biofuel source. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 385-403	6.8	14
221	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. <i>Environmental Science & Technology</i> , 2018 , 52, 5308-5318	10.3	53
220	Novel insights on new particle formation derived from a pan-european observing system. <i>Scientific Reports</i> , 2018 , 8, 1482	4.9	34
219	Simultaneous aerosol mass spectrometry and chemical ionisation mass spectrometry measurements during a biomass burning event in the UK: insights into nitrate chemistry. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4093-4111	6.8	22
218	Modelling carbonaceous aerosol from residential solid fuel burning with different assumptions for emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4497-4518	6.8	6
217	Mixing State of Carbonaceous Aerosols of Primary Emissions from "Improved" African Cookstoves. <i>Environmental Science & Technology</i> , 2018 , 52, 10134-10143	10.3	13
216	Near-field emission profiling of tropical forest and Cerrado fires in Brazil during SAMBBA 2012. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5619-5638	6.8	14
215	Contrasting physical properties of black carbon in urban Beijing between winter and summer 2018 ,		2
214	Introduction to Special Issue "In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) 2018 ,		3
213	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA 2018 ,		1
212	Technical note: Use of an atmospheric simulation chamber to investigate the effect of different engine conditions on unregulated VOC-IVOC diesel exhaust emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11073-11096	6.8	14
211	Observations of organic and inorganic chlorinated compounds and their contribution to chlorine radical concentrations in an urban environment in northern Europe during the wintertime. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 13481-13493	6.8	19
210	Characterization of black carbon-containing fine particles in Beijing during wintertime 2018 ,		1
209	Light Absorption Enhancement of Black Carbon Aerosol Constrained by Particle Morphology. <i>Environmental Science & Technology</i> , 2018 , 52, 6912-6919	10.3	54
208	Online differentiation of mineral phase in aerosol particles by ion formation mechanism using a LAAP-TOF single-particle mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 195-213 ⁴		13

207	Black-carbon absorption enhancement in the atmosphere determined by particle mixing state. <i>Nature Geoscience</i> , 2017 , 10, 184-188	18.3	212
206	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1857-1877	6.1	43
205	Near-field emission profiling of Rainforest and Cerrado fires in Brazil during SAMBBA 2012 2017 ,		2
204	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 83-107	4	7
203	Simultaneous Aerosol Mass Spectrometry and Chemical Ionisation Mass Spectrometry measurements during a biomass burning event in the UK: Insights into nitrate chemistry 2017 ,		4
202	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. <i>Atmospheric Research</i> , 2017 , 183, 255-267	5.4	8
201	STRAPS v1.0: evaluating a methodology for predicting electron impact ionisation mass spectra for the aerosol mass spectrometer. <i>Geoscientific Model Development</i> , 2017 , 10, 2365-2377	6.3	1
200	Evaluating the influence of laser wavelength and detection stage geometry on optical detection efficiency in a single-particle mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 6051-6068	4.8	17
199	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016 , 43, 7735-7744	4.9	119
198	Wintertime aerosol chemical composition, volatility, and spatial variability in the greater London area. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1139-1160	6.8	25
197	Organic aerosol source apportionment in London 2013 with ME-2: exploring the solution space with annual and seasonal analysis. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 15545-15559	6.8	21
196	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for London (ClearLo) campaign. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6453-6473	6.8	44
195	Biogenic cloud nuclei in the central Amazon during the transition from wet to dry season. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9727-9743	6.8	31
194	Model simulations of cooking organic aerosol (COA) over the UK using estimates of emissions based on measurements at two sites in London. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13773-13789	6.8	25
193	Observed microphysical changes in Arctic mixed-phase clouds when transitioning from sea ice to open ocean. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13945-13967	6.8	21
192	Detailed budget analysis of HONO in central London reveals a missing daytime source. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2747-2764	6.8	76
191	Comment on 'The effects of molecular weight and thermal decomposition on the sensitivity of a thermal desorption aerosol mass spectrometer' <i>Aerosol Science and Technology</i> , 2016 , 50, i-xv	3.4	33
190	Atmospheric composition in the Eastern Mediterranean: Influence of biomass burning during summertime using the WRF-Chem model. <i>Atmospheric Environment</i> , 2016 , 132, 317-331	5.3	24

189	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for London (ClearLo) campaign 2016 ,		3
188	Assessment of the sensitivity of core / shell parameters derived using the single-particle soot photometer to density and refractive index. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 1701-1718	4	67
187	Chemistry and the Linkages between Air Quality and Climate Change. <i>Chemical Reviews</i> , 2015 , 115, 3856-3871	6.1	205
186	Enhanced light absorption by mixed source black and brown carbon particles in UK winter. <i>Nature Communications</i> , 2015 , 6, 8435	17.4	198
185	Meteorology, Air Quality, and Health in London: The ClearLo Project. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 779-804	6.1	84
184	The first UK measurements of nitryl chloride using a chemical ionization mass spectrometer in central London in the summer of 2012, and an investigation of the role of Cl atom oxidation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 5638-5657	4.4	66
183	The effect of complex black carbon microphysics on the determination of the optical properties of brown carbon. <i>Geophysical Research Letters</i> , 2015 , 42, 613-619	4.9	62
182	Investigating a two-component model of solid fuel organic aerosol in London: processes, PM ₁ contributions, and seasonality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2429-2443	6.8	25
181	Influence of aerosol chemical composition on N ₂ O ₅ uptake: airborne regional measurements in northwestern Europe. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 973-990	6.8	51
180	WRF-Chem model predictions of the regional impacts of N ₂ O ₅ heterogeneous processes on night-time chemistry over north-western Europe. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1385-1409	6.8	26
179	Aged boreal biomass-burning aerosol size distributions from BORTAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1633-1646	6.8	34
178	Receptor modelling of fine particles in southern England using CMB including comparison with AMS-PMF factors. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2139-2158	6.8	29
177	Sources and contributions of wood smoke during winter in London: assessing local and regional influences. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3149-3171	6.8	61
176	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3687-3701	6.8	77
175	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6351-6366	6.8	37
174	Advanced source apportionment of size-resolved trace elements at multiple sites in London during winter. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11291-11309	6.8	54
173	The importance of Asia as a source of black carbon to the European Arctic during springtime 2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11537-11555	6.8	44
172	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11807-11833	6.8	159

171	Kerb and urban increment of highly time-resolved trace elements in PM ₁₀ , PM _{2.5} and PM _{1.0} ; winter aerosol in London during ClearFlo 2012. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2367-2386	6.8	37
170	Iodine observed in new particle formation events in the Arctic atmosphere during ACCACIA. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5599-5609	6.8	76
169	Aerosol chemistry above an extended archipelago of the eastern Mediterranean basin during strong northern winds. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 8401-8421	6.8	12
168	Peak-fitting and integration imprecision in the Aerodyne aerosol mass spectrometer: effects of mass accuracy on location-constrained fits. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 4615-4636	4	14
167	Peak fitting and integration uncertainties for the Aerodyne Aerosol Mass Spectrometer 2015 ,		2
166	Physical and chemical processes of air masses in the Aegean Sea during Etesians: Aegean-GAME airborne campaign. <i>Science of the Total Environment</i> , 2015 , 506-507, 201-16	10.2	26
165	The molecular identification of organic compounds in the atmosphere: state of the art and challenges. <i>Chemical Reviews</i> , 2015 , 115, 3919-83	68.1	300
164	Estimated contributions of primary and secondary organic aerosol from fossil fuel combustion during the CalNex and Cal-Mex campaigns. <i>Atmospheric Environment</i> , 2014 , 88, 330-340	5.3	20
163	Airborne observations of IEPOX-derived isoprene SOA in the Amazon during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11393-11407	6.8	39
162	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12109-12132	6.8	39
161	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10013-10060	6.8	49
160	Size distribution, mixing state and source apportionment of black carbon aerosol in London during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10061-10084	6.8	127
159	A meta-analysis of particle water uptake reconciliation studies. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11833-11841	6.8	22
158	Size-dependent wet removal of black carbon in Canadian biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13755-13771	6.8	63
157	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9061-9076	6.8	56
156	Organic aerosol components derived from 25 AMS data sets across Europe using a consistent ME-2 based source apportionment approach. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6159-6176	6.8	232
155	A case study of aerosol scavenging in a biomass burning plume over eastern Canada during the 2011 BORTAS field experiment. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8449-8460	6.8	15
154	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem. <i>Geoscientific Model Development</i> , 2014 , 7, 2557-2579	6.3	40

153	Droplet activation properties of organic aerosols observed at an urban site during CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2903-2917	4.4	65
152	Contribution of nitrated phenols to wood burning brown carbon light absorption in Detling, United Kingdom during winter time. <i>Environmental Science & Technology</i> , 2013 , 47, 6316-24	10.3	219
151	Overview of the South American biomass burning analysis (SAMBBA) field experiment 2013 ,		4
150	Cluster analysis of WBS single-particle bioaerosol data. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 337-347	4	57
149	Ambient black carbon particle hygroscopic properties controlled by mixing state and composition. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 2015-2029	6.8	127
148	Linking biogenic hydrocarbons to biogenic aerosol in the Borneo rainforest. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11295-11305	6.8	12
147	Chemical composition and hygroscopic properties of aerosol particles over the Aegean Sea. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11595-11608	6.8	25
146	Ozone photochemistry in boreal biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7321-7341	6.8	56
145	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9233-9257	4.4	201
144	Inorganic and black carbon aerosols in the Los Angeles Basin during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1777-1803	4.4	13
143	Influence of boundary layer dynamics and isoprene chemistry on the organic aerosol budget in a tropical forest. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9351-9366	4.4	12
142	Physical and Chemical Processes of Polluted Air Masses During Etesians: Aegean-Game Airborne Campaign [An Outline]. <i>Springer Atmospheric Sciences</i> , 2013 , 1239-1244	0.7	4
141	Impact of alternative fuels on emissions characteristics of a gas turbine engine - part 2: volatile and semivolatile particulate matter emissions. <i>Environmental Science & Technology</i> , 2012 , 46, 10812-9	10.3	21
140	Characterizing the aging of biomass burning organic aerosol by use of mixing ratios: a meta-analysis of four regions. <i>Environmental Science & Technology</i> , 2012 , 46, 13093-102	10.3	93
139	Soot reference materials for instrument calibration and intercomparisons: a workshop summary with recommendations. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 1869-1887	4	162
138	Single Particle Soot Photometer intercomparison at the AIDA chamber 2012 ,		8
137	Single Particle Soot Photometer intercomparison at the AIDA chamber. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 3077-3097	4	125
136	Cluster analysis of WBS single particle bioaerosol data 2012 ,		5

135	Soot Reference Materials for instrument calibration and intercomparisons: a workshop summary with recommendations 2012 ,		8
134	The lofting of Western Pacific regional aerosol by island thermodynamics as observed around Borneo. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5963-5983	6.8	9
133	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by NMR spectroscopy. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 941-959	6.8	42
132	Physical and chemical properties of the regional mixed layer of Mexico's Megapolis Part II: evaluation of measured and modeled trace gases and particle size distributions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 10161-10179	6.8	1
131	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 3065-3114	6.8	102
130	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1039-1050	6.8	136
129	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12109-12136	6.8	349
128	South East Pacific atmospheric composition and variability sampled along 20°S during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 5237-5262	6.8	105
127	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12673-12696	6.8	199
126	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8847-8860	6.8	47
125	Source attribution of Bornean air masses by back trajectory analysis during the OP3 project. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9605-9630	6.8	28
124	Size-resolved aerosol water uptake and cloud condensation nuclei measurements as measured above a Southeast Asian rainforest during OP3. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11157-11174	6.8	30
123	Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		77
122	Seasonal variation of fine particulate composition in the centre of a UK city. <i>Atmospheric Environment</i> , 2011 , 45, 4379-4389	5.3	17
121	Towards an online-coupled chemistry-climate model: evaluation of COSMO-ART 2011 ,		1
120	Towards an online-coupled chemistry-climate model: evaluation of trace gases and aerosols in COSMO-ART. <i>Geoscientific Model Development</i> , 2011 , 4, 1077-1102	6.3	68
119	Carbonaceous aerosols contributed by traffic and solid fuel burning at a polluted rural site in Northwestern England. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1603-1619	6.8	31
118	Enhancement of the aerosol direct radiative effect by semi-volatile aerosol components: airborne measurements in North-Western Europe. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8151-8171	6.8	91

117	Black carbon measurements in the boundary layer over western and northern Europe. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9393-9414	6.8	136
116	Reactive Halogens in the Marine Boundary Layer (RHAMBLe): the tropical North Atlantic experiments. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 1031-1055	6.8	58
115	Consistency between parameterisations of aerosol hygroscopicity and CCN activity during the RHAMBLe discovery cruise. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 3189-3203	6.8	92
114	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4065-4083	6.8	162
113	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4795-4807	6.8	105
112	Contributions from transport, solid fuel burning and cooking to primary organic aerosols in two UK cities. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 647-668	6.8	308
111	Measuring atmospheric composition change. <i>Atmospheric Environment</i> , 2009 , 43, 5351-5414	5.3	130
110	Organic aerosol characterization by complementary measurements of chemical bonds and molecular fragments. <i>Atmospheric Environment</i> , 2009 , 43, 6100-6105	5.3	63
109	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	153
108	Evolution of organic aerosols in the atmosphere. <i>Science</i> , 2009 , 326, 1525-9	33.3	2767
107	Particulate emissions from commercial shipping: Chemical, physical, and optical properties. <i>Journal of Geophysical Research</i> , 2009 , 114,		133
106	Influence of particle chemical composition on the phase of cold clouds at a high-alpine site in Switzerland. <i>Journal of Geophysical Research</i> , 2009 , 114,		27
105	Evaluating simulated primary anthropogenic and biomass burning organic aerosols during MILAGRO: implications for assessing treatments of secondary organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 6191-6215	6.8	124
104	Real time chemical characterization of local and regional nitrate aerosols. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 3709-3720	6.8	69
103	Vertical distribution of sub-micron aerosol chemical composition from North-Western Europe and the North-East Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 5389-5401	6.8	80
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58	Vertical variability of the properties of highly aged biomass burning aerosol transported over the southeast Atlantic during CLARIFY-2017	6
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55	Enhancement of the aerosol direct radiative effect by semi-volatile aerosol components: airborne measurements in North-Western Europe	4
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53	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest	3
52	Investigating organic aerosol loading in the remote marine environment	2
51	Source attribution of Bornean air masses by back trajectory analysis during the OP3 project	2
50	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by AMS and NMR measurements	1
49	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model	6
48	Size-resolved aerosol water uptake and cloud condensation nuclei measurements as measured above a Southeast Asian rainforest during OP3	4
47	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget	19
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43	Organic aerosol components derived from 25 AMS datasets across Europe using a newly developed ME-2 based source apportionment strategy	10
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41	Kerb and urban increment of highly time-resolved trace elements in PM ₁₀ , PM _{2.5} , and PM _{1.0} ; winter aerosol in London during ClearLo 2012	1
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36	Influence of aerosol chemical composition on N ₂ O ₅ uptake: airborne regional measurements in North-Western Europe	3
35	Investigating the two-component model of solid fuel organic aerosol in London: processes, PM ₁ contributions, and seasonality	3
34	WRF-chem model predictions of the regional impacts of N ₂ O ₅ ; heterogeneous processes on nighttime chemistry over north-western Europe	2
33	Aged boreal biomass burning aerosol size distributions from BORTAS 2011	2
32	Receptor modelling of fine particles in Southern England using CMB including comparison with AMS-PMF factors	2
31	Sources and contributions of wood smoke during winter in London: assessing local and regional influences	3
30	Iodine observed in new particle formation events in the Arctic atmosphere during ACCACIA	1
29	A case study of aerosol depletion in a biomass burning plume over Eastern Canada during the 2011 BORTAS field experiment	3
28	Modeling regional aerosol variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns	1

27	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis	3
26	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques	2
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24	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements	10
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15	Contributions from transport, solid fuel burning and cooking to primary organic aerosols in two UK cities	6
14	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations	6
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12	Consistency between parameterisations of aerosol hygroscopicity and CCN activity during the RHaMBLe Discovery cruise	4
11	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction	4
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9	Evaluating simulated primary anthropogenic and biomass burning organic aerosols during MILAGRO: implications for assessing treatments of secondary organic aerosols		1
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7	Assessment of the sensitivity of core/shell parameters derived using the single-particle soot photometer to density and refractive index		8
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